ftem ID Number	03655 Not Scanned
Auther	Young, Alvin L.
Corporate Author	
Report/Article Title	Research Handling /Exposure Notes and Proposed Research Projects, 1969
Journal/Book Title	
Year	0000
Month/Day	
Color	
Number of Images	13

Includes 2 color photographs of a sprout.

Descripton Notes

ASSIGNED IN-HOUSE PROJECTS - 1968/1969

- Work Unit 009, Project 2552 (AFATL), "Biological Detection of Herbicidal Drifts".

 This project will involve developing biological monitoring techniques for detecting phenoxy herbicide (e.g., Agent Orange) drift from the spray-equipment trials being conducted on Test Area C-52A (TA C-52), Eglin AFB Reservation, Florida.
- Work Unit, Oll, Project 2552 (AFATL), "Residual Effects of Herbicides".

 This project will involve developing chemical and biological assays for determining levels of herbicides (Agents White, Orange and Blue) in soils of Test Area C-52A.
- Work Unit 00 04, Project 5066 (AFATL), "Vegetative Studies of a Herbicide-Equipment Test Area".

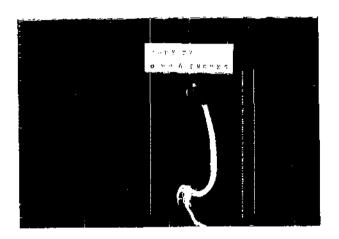
This project will involve conducting vegetative/ecological studies on Test Area C-52A during and following completion of all sprayequipment development programs on TA C-52A.

Task Ol, Project 5172 (ADTC), "Development of Tracer Methods for Detection of Herbicidal Drift'.

This project will involve evaluating various elemental additives mixed with Agents Orange and White that can be used to determine if plant damage found off-targets was caused by USAF defoliants.

RESTOUAL STUDIES Lt Young 28 September 1969

PHOTOGRAPH



Treatment Core T2

Range C-52A

0 - 6 inch depth

t0 days after initiation
of the bloassay

SOYBEAN



Control Core C3
Range C-52A
18 - 24 inch increment

	1969			
Residual Stud	نفه	5 Com	no suction	
Residual Stud Sail Conas Ledg Biarray of Evaluation	Collected	- 26 Noc	69, 28 Sept 69	
Evaluating	u u	G 000		
<u> </u>	(GIG	250 x 8	2000	
	Hol) 200x 8 (160)	
			. =	-
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Detection	sprey-equipment trave	Drifts!	Monitoring of Herbicale &	-46
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	Nork unit Oll	Project 255	Z (AFATL), "Residua	W.
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Field Mc				

· 15 Jan 69 - Chemical analysis of Suls Containing Herbrude Orange
20 May 69 Crange Jadue Addition Study 11 Apr 69
27 May 1969 ATMA Todine Tracer Project 27 Jun 1969 Todine Fracer Project
July 69 - Suggetted I Odotom Studies of the C-524 14 Aug 61 Vegetation Studies of the C-524 14 Aug 61 Pilot Study using Orange white 5 Oct 69 - Field Evaluations of Fodere Concentrations 5 Dec. 69 - Orange Broassay 11 Dec 69 - Sail Broassay of Overge-Indotom Mixter Orange 494. 4 ppm
17 Dec 69 - Soul Broassay of Ovange-Inform Mixtures 31 Dec 69 Peruls 2 1
28 Sep 69 leveluel Fudies of Soul Cores from TA C-52A Location 6-9, F-7, H-10, K-13, Pool

and and the control of the control of

5 Jan 70 - John Form - Herbicide Frontiers
12 Jan 70 - John Form - Herbicide Broassay 20-22 Aprilo Soil Ore Bossay Sterry PPM BRANGE IN SOIL 23 June 70) Orange Broadsay 21 - 15 pp. 10-17 July. - Broaway of Orange Standardo J - 10 July 70 Breasian of Crange Standards

24 007 1470 - Histological Study of Yucca Filamentosa

SEP-OOT > Histological Steepy 10 Dec 70 - TA C52 Such Gres
1. Promonay B-14, C-9, J-3, M-8, N-12, 0-7 Commander Brownay [17 Dec 70 Heavener 126 cups /4 plants/amp - Soylean Bloassay Stan 71 Soil Core Brown GRIDE Cucumber Browney 0-5,08 14 Jan 71 Orange Standards 18 Jan 71 Evaluation of Cucumber Browney 21 Jan 71

TDYS AND HANDLING EXPOSURES TO

ORANGE /TCDD

5 MAY 1972 Garden City KN, Extellish Brodgradation Plats
USAPA (5-7404, T-194) Spray Incorporated & Sampled plots - 10 HR 29 Sep 1972 Sampled Biologradotic plots
Laboratory (29 Sep - 1007) 90 Soil Samples WAR 5-70ct 72 Hill AFB, UT Established a Biodegradation (7 His) 18-20 Jan 73 Hill AFB, LT Sampled Brodegnedotion (e. He).

UNPA Plots

22-425 Mar 73 Hill AFB, LT - Sampled Brodegnedotion (6 Hz).

USAFA

Laboratory

Prots 29 Har - 7 Apr 73 Eghin AFB - Sail Sampling of 16 Hz.

Laborator

Laborator

30 Apr - 3 May 73 Corvalles, OR. - OSA Preno 1/kerbicide (4 Hz.)

Calgraphation Plots 4 Ha OSIL Premo 1/kerbicale Oscarplation PENS (Sampling) USNPA 18-23 Hay 73 Eghn AFB Laboratory IOHR Sampled Brodegrahadran
Protes & Sampled Grip I 5-07 June 73 Garden Coly Kal 6He Sampled Prodegradation 10 June - 12 July - Egen AFB 102 Hes Ecological Studges .

Lafonday 15 Jul - 21 July 173 tdap x 8 Hz 32HD Ecological Studies

20 He

(14 Hz)

8HR)

6H2)

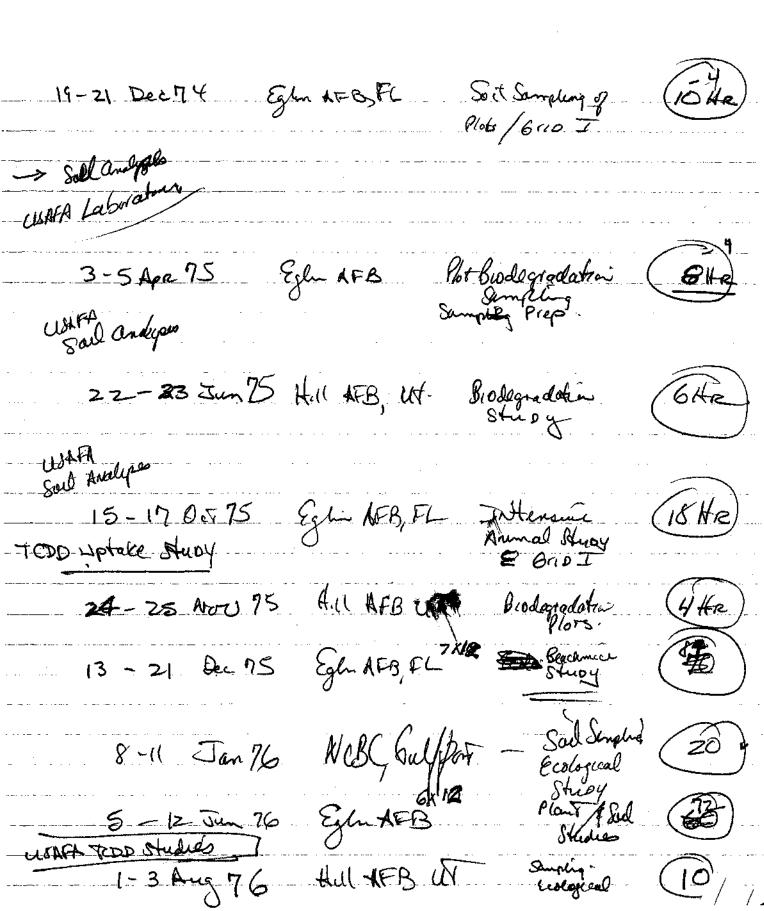
30 Tune - 2 July 74 Gulffort MS

Plos Samplings 18 Hz Ecological Studies 3-14 July 74 -HILL AFB, UT

22-27 July 74 Collect Froces analyse. Edin AFB, FL -Middad Me

Soil / Lique Sampling Ecological Hidy 28 July - 8 Aug 74 Johnston Island Marbicide Orange Reform Fation Feats

10 Sep - 12 Sep 74 Microbial Stune Diodegnadations Plots / Drum Assess 15 + 17 Dec 74 HILL AFB PL

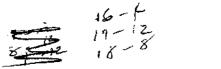


17-22007 1976 NCBC, Guffout MS Soil freder (10HR) Biodogradulus 4 Hz HULL AFB UT A NOV 76 WAFA Anolysis E6 He 14-1920076 Egli AFB Ecological Studies annals/Soils 19-10 Dec 16 Brooks AFB Soit Sample for Orange 8 He 29 Dec 76 - 11 Jan Brooks AFB Amalipes of Hirbicides

TDY - 1977

27-29 Jul 77 Sumpling/Ecological dury Observe at evaluate Hertiade Branze Bralegredaten Pots 4 25-30 SEP 77 Sglit AFB Sampled (4)
HO BLORG. PLOTS 17 - 19 005 77 Emden Germany-Clean Vulcarius (9) 12-23 NOU 79 Seveso Italy, Enleved TCDD (4) Contemunated Zone Analysis of Rust Samples from Videanus

Molyris of Sail Samples Preparation of SHE Monttoning Sails 7D4 1978



6 Jan - 11 Jan 78 Idenston Idan (30) Establish Site Howlong Yroge et 16 -22 Jan 78 NCBG Scalpon - She Haut 24 Egh AFB Bampling Grip I Reviewed & Partiliped Proc. 1x4 25 Jan 78 1-3 Feb. 78 Pregent Bulog cal Samples 17 Feb 78 Marseelle, France: Eglon AFB FL (3)
Collected Sods, #50 12-31 Apr 78 (76-9NOV 78 NCBC Cuffer Ste Monting (2) Eglin AFB (los yoke) (5) Pullman WA 2 10-15 Sep

Orange Visposal 20 Dec. 78 2½ br. glass Containers of Herbicide qloues | Tabal Quantity . M gallon coverable | Renge < .02 - . 15 ppm | TCDD | GP Stack Vapor exportent. 1 × 29 NOW _ 3 hr - 20 gallon 21/2 hr. 30 NOU * 10-50 ng/ml.] 200 ml. Mask/gloves. 21 Dec- Duponed of 42x50 ml volumetric flasks of TODD standardy Range 0.1 Mg/m — 50 ng/ml- Nosk &

Profes 12.46

Studies with HO Sois 1978 Laboratory 22 NOU 23 WW SE NOU 2 hr 29 NW 1 hr 5 Dac 1 hr 12 Dec Zhr 19 Dec 1 hr 20 Dec. the weighing 21 Dec Wegling soils (13) Open contain. Inhalation / Skini

SNIFF TEST

23/24 JANUARY- 1978

6 HRS
enhalation

Resp of Soils

< adjept - 0.5 ppm

SNIFF TEST.

8 Nov 78

SAMPLE Prep. 1 HR 4 JAN 79